

+

1 + #4

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

|       |     |    |       |
|-------|-----|----|-------|
| Sheet | one | of | three |
|-------|-----|----|-------|

**Complete if Known**

|                    |            |
|--------------------|------------|
| Application Number | 09/827.997 |
|--------------------|------------|

|             |            |
|-------------|------------|
| Filing Date | 04-06-2001 |
|-------------|------------|

|                      |             |
|----------------------|-------------|
| First Named Inventor | COOPER D.H. |
|----------------------|-------------|

|                |      |
|----------------|------|
| Group Art Unit | 3732 |
|----------------|------|

|               |     |
|---------------|-----|
| Examiner Name | N/A |
|---------------|-----|

|                        |            |
|------------------------|------------|
| Attorney Docket Number | 08563-0103 |
|------------------------|------------|

## U.S. PATENT DOCUMENTS

| U.S. PATENT DOCUMENTS  |                          |                      |                                      |  |  |   |
|------------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                        |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
| VL                     | AA                       | 4,398,811            |                                      | Nishioka et al.                                    | 08-16-1983   |   |
|                        | AB                       | 4,475,805            |                                      | Orni   | 10-09-1984   |   |
|                        | AC                       | 4,491,865            |                                      | Danna et al.                                       | 01-01-1985   |   |
|                        | AD                       | 4,539,586            |                                      | Danna et al.                                       | 09-03-1985   |   |
|                        | AE                       | 4,572,164            |                                      | Yoshida et al.                                     | 02-25-1986   |   |
|                        | AF                       | 4,601,284            |                                      | Arakawa et al.                                     | 07-22-1986   |   |
|                        | AG                       | 4,667,229            |                                      | Cooper et al.                                      | 05-19-1987   |   |
|                        | AH                       | 4,677,470            |                                      | Cooper et al.                                      | 06-30-1987   |   |
|                        | AI                       | 4,692,608            |                                      | Cooper et al.                                      | 09-08-1987   |   |
|                        | AJ                       | 4,727,416            |                                      | Cooper et al.                                      | 02-23-1988   |   |
|                        | AK                       | 4,727,416            | B1                                   | Cooper et al.                                      | 04-06-1993   |   |
|                        | AL                       | 4,742,388            |                                      | Cooper et al.                                      | 05-03-1988   |   |
|                        | AM                       | 4,757,381            |                                      | Cooper et al.                                      | 07-12-1988   |   |
|                        | AN                       | 4,759,347            |                                      | Ando   | 07-26-1988   |   |
|                        | AO                       | 4,858,001            |                                      | Milbank et al.                                     | 08-15-1989   |   |
|                        | AP                       | 4,858,001            | B1                                   | Milbank et al.                                     | 06-30-1992   |   |
|                        | AQ                       | 4,947,245            |                                      | Ogawa et al.                                       | 08-07-1990   |   |
|                        | AR                       | 5,016,098            |                                      | Cooper et al.                                      | 05-14-1991   |   |
|                        | AS                       | 5,049,070            |                                      | Ademovic   | 09-17-1991   |   |
| VL                     | AT                       | 5,051,823            |                                      | Cooper et al.                                      | 09-24-1991   |   |

RECEIVED

SEP 21 2001

TECHNICAL CENTER B3700

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

VU LE  
PRIMARY EXAMINER

Date  
Considered

6/25/04

MINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.

number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code  
Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the  
document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is  
English language Translation is attached.

31. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

|                        |             |
|------------------------|-------------|
| Application Number     | 09/827,997  |
| Filing Date            | 04-06-2001  |
| First Named Inventor   | COOPER D.H. |
| Group Art Unit         | 3732        |
| Examiner Name          | N/A         |
| Attorney Docket Number | 08563-0103  |

|       |     |    |       |
|-------|-----|----|-------|
| Sheet | two | of | three |
|-------|-----|----|-------|

| U.S. PATENT DOCUMENTS  |                          |                      |                                      |  |  |   |
|------------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                        |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
| VL                     | AU                       | 5,051,824            |                                      | Nishigaki  | 09-24-1991   |   |
|                        | AV                       | 5,115,307            |                                      | Cooper et al.                                      | 05-19-1992   |   |
|                        | AW                       | 5,124,797            |                                      | Williams et al.                                    | 06-23-1992   |   |
|                        | AX                       | 5,251,025            |                                      | Cooper et al.                                      | 10-05-1993   |   |
|                        | AY                       | 5,290,168            |                                      | Cooper et al.                                      | 03-01-1994   |   |
|                        | AZ                       | 5,408,992            |                                      | Hamlin et al.                                      | 04-25-1995   |   |
|                        | BA                       | 5,429,502            |                                      | Cooper et al.                                      | 07-04-1995   |   |
|                        | BB                       | 5,487,661            |                                      | Peithman   | 01-30-1996   |   |
|                        | BC                       | 5,512,036            |                                      | Tamburrino et al.                                  | 04-30-1996   |   |
|                        | BD                       | 5,523,782            |                                      | Williams   | 06-04-1996   |   |
|                        | BE                       | 5,527,261            |                                      | Monroe et al.                                      | 06-18-1996   |   |
|                        | BF                       | 5,527,262            |                                      | Monroe et al.                                      | 06-18-1996   |   |
|                        | BG                       | 5,528,432            |                                      | Donahoo  | 06-18-1996   |   |
|                        | BH                       | 5,661,519            |                                      | Franetzki  | 08-26-1997   |   |
|                        | BI                       | 5,662,586            |                                      | Monroe et al.                                      | 09-02-1997   |   |
|                        | BJ                       | 5,675,378            |                                      | Takasugi et al.                                    | 10-07-1997   |   |
|                        | BK                       | 5,690,605            |                                      | Hamlin et al.                                      | 11-25-1997   |   |
|                        | BL                       | 5,701,155            |                                      | Wood et al.  | 12-23-1997   |   |
|                        | BM                       | 5,701,904            |                                      | Simmons et al.                                     | 12-30-1997   |   |
| VL                     | BN                       | 5,737,013            |                                      | Williams et al.                                    | 04-07-1998   |   |

RECEIVED

SEP 21 2001

TECHNICAL CENTER DATA

[illegible]

6/25/04

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

|                        |             |
|------------------------|-------------|
| Application Number     | 09/827,997  |
| Filing Date            | 04-06-2001  |
| First Named Inventor   | COOPER D.H. |
| Group Art Unit         | 3732        |
| Examiner Name          | N/A         |
| Attorney Docket Number | 08563-0103  |

*(use as many sheets as necessary)*

|       |       |    |       |
|-------|-------|----|-------|
| Sheet | three | of | three |
|-------|-------|----|-------|

| U.S. PATENT DOCUMENTS  |                          |                      |                                      |  |  |   |
|------------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                        |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
| VL                     | BO                       | 5,745,165            |                                      | Atsuta et al.                                      | 04-28-1998   |   |
|                        | BP                       | 5,759,030            |                                      | Jung et al.  | 06-02-1998   |   |
|                        | BQ                       | 5,771,067            |                                      | Williams et al.                                    | 06-23-1998   |   |
|                        | BR                       | 5,702,249            |                                      | Cooper   | 12-30-1997   |   |
|                        | BS                       | 5,836,762            |                                      | Peithman   | 11-17-1998   |   |
|                        | BT                       | 5,847,759            |                                      | Williams et al.                                    | 12-08-1998   |   |
|                        | BU                       | 5,851,113            |                                      | Jung et al.  | 12-22-1998   |   |
|                        | BV                       | 5,871,351            |                                      | Jung et al.  | 02-16-1999   |   |
|                        | BW                       | 5,879,289            |                                      | Yarush et al.                                      | 03-09-1999   |   |
|                        | BX                       | 5,885,214            |                                      | Monroe et al.                                      | 03-23-1999   |   |
|                        | BY                       | 5,896,166            |                                      | D'Alfonso et al.                                   | 04-20-1999   |   |
|                        | BZ                       | 5,947,729            |                                      | Bell   | 09-07-1999   |   |
| YL                     | CA                       | 6,002,424            |                                      | Rapa et al.  | 12-14-1999   |   |
|                        | CB                       | 6,181,369            | B1                                   | Ooshima et al.                                     | 01-30-2001   |   |
|                        | CC                       | 6,201,880            | B1                                   | Elbaum et al.                                      | 03-13-2001   |   |
|                        |                          |                      |                                      |  |  |   |
|                        |                          |                      |                                      |  |  |   |
|                        |                          |                      |                                      |  |  |   |
|                        |                          |                      |                                      |  |  |   |
|                        |                          |                      |                                      |  |  |   |

RECEIVED

SEP 21 2001

[illegible]

6/25/04

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

|       |     |    |       |
|-------|-----|----|-------|
| Sheet | one | of | three |
|-------|-----|----|-------|

**Complete if Known**

|                    |            |
|--------------------|------------|
| Application Number | 09/827,997 |
|--------------------|------------|

|             |            |
|-------------|------------|
| Filing Date | 04-06-2001 |
|-------------|------------|

|                      |             |
|----------------------|-------------|
| First Named Inventor | COOPER D.H. |
|----------------------|-------------|

|                |      |
|----------------|------|
| Group Art Unit | 3732 |
|----------------|------|

|               |     |
|---------------|-----|
| Examiner Name | N/A |
|---------------|-----|

|                        |            |
|------------------------|------------|
| Attorney Docket Number | 08563-0103 |
|------------------------|------------|

## U.S. PATENT DOCUMENTS

[illegible]

RECEIVED

~~AUG 29~~ 2002

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

**VULE**  
**PRIMARY EXAMINER**

Date  
Considered

6/25/64

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.